

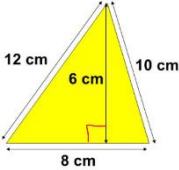
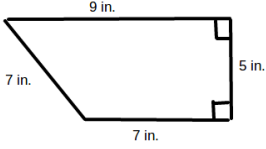
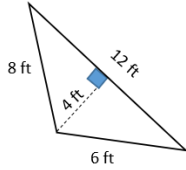
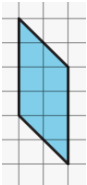
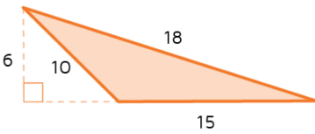
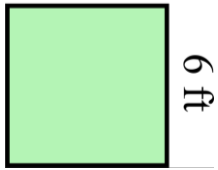
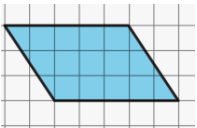
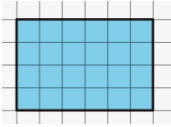
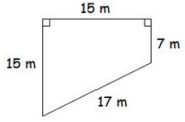
# Math 6/7 & Adv. - Unit 5: Area & Volume

Name: \_\_\_\_\_

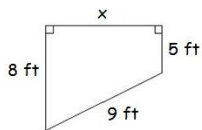
Get a Clue (Area of Polygons)

Class Period: 1 2 3 4 Date: \_\_\_\_\_

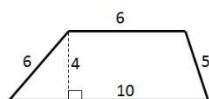
Solve each problem. Show **ALL** steps (Formula, Substitute, Solve), and **CIRCLE** your answers.

<p>1) Find the area.</p> 	<p>2) How many square units are inside this quadrilateral?</p> 	<p>3) Calculate the area.</p> 
<p>4) Find the area of this polygon.</p> 	<p>5) How many square units are inside this polygon?</p> 	<p>6) What is the square's area?</p> 
<p>7) Find the area.</p> 	<p>8) Each square represents 1 ft<sup>2</sup>. If carpet costs \$17.50 per square foot, how much will it cost to carpet this area?</p> 	<p>9) Calculate the area.</p> 
<p>10) A triangle has an area of 28 units<sup>2</sup>. If it is 8 units tall, how long is its base?</p>	<p>11) Find the area of an equilateral triangle that is 20 in. on each side and 8 in. tall.</p>	<p>12) A square has an area of 81 square cm. What is its perimeter?</p>

13) If the area of the trapezoid is 84 sq. ft, what is its height?

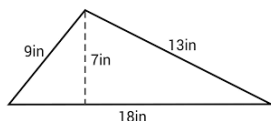


14) What is the area?



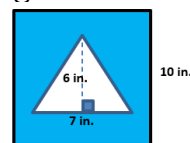
15) A rectangle that is 4 units long covers a total of 24 units<sup>2</sup>. What is its perimeter?

16) Find the area.



17) A square has a perimeter of 100 ft. What is its area?

18) What is the area of **only** the shaded region?



Who?		Where?		What?	
7 units	Fred	24 ft <sup>2</sup>	Mystery Inc.	60 units	The Van
8 units <sup>2</sup>	Shaggy	36 cm	Crystal Cove	63 in. <sup>2</sup>	Swarm of Cicadas
12 ft	Daphne	36 m <sup>2</sup>	Haunted Mansion	79 in. <sup>2</sup>	Super Soaker
15 units <sup>2</sup>	Velma	36 ft <sup>2</sup>	PetSmart	80 in. <sup>2</sup>	Poisoned Lemonade
16 units	Scooby-Doo	32 units <sup>2</sup>	Spooky Swamp	165 m <sup>2</sup>	Moldy Scooby Snacks
20 units	The Sheriff	40 in. <sup>2</sup>	Coolsville	420	Laser Tag Gun
24 cm. <sup>2</sup>	The Villain	45 u <sup>2</sup>	Cartoon Network HQ	625 ft <sup>2</sup>	Stolen Diamonds

Who?\_\_\_\_\_Where?\_\_\_\_\_What?\_\_\_\_\_

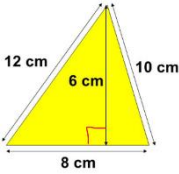
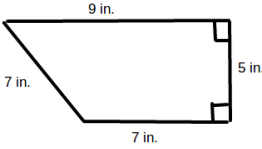
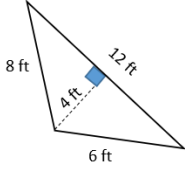
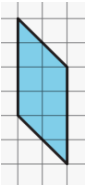
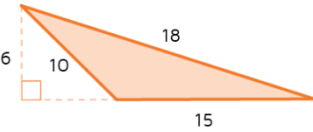
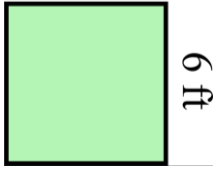
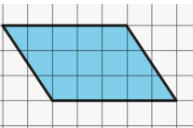
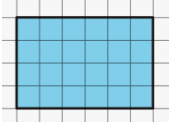
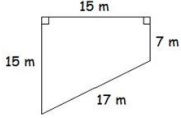
# Math 6/7 & Adv. - Unit 5: Area & Volume

Name: \_\_\_\_\_

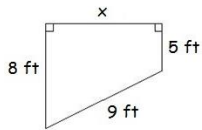
Get a Clue (Area of Polygons)

Class Period: 1 2 3 4 Date: \_\_\_\_\_

Solve each problem. Show **ALL** steps (Formula, Substitute, Solve), and **CIRCLE** your answers.

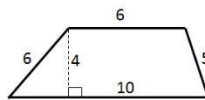
<p>1) Find the area.</p>  <p style="text-align: center;"><b>24 cm<sup>2</sup></b></p>	<p>2) How many square units are inside this quadrilateral?</p>  <p style="text-align: center;"><b>40 in<sup>2</sup></b></p>	<p>3) Calculate the area.</p>  <p style="text-align: center;"><b>24 ft<sup>2</sup></b></p>
<p>4) Find the area of this polygon.</p>  <p style="text-align: center;"><b>8 units<sup>2</sup></b></p>	<p>5) How many square units are inside this polygon?</p>  <p style="text-align: center;"><b>45 units<sup>2</sup></b></p>	<p>6) What is the square's area?</p>  <p style="text-align: center;"><b>36 ft<sup>2</sup></b></p>
<p>7) Find the area.</p>  <p style="text-align: center;"><b>15 units<sup>2</sup></b></p>	<p>8) Each square represents 1 ft<sup>2</sup>. If carpet costs \$17.50 per square foot, how much will it cost to carpet this area?</p>  <p style="text-align: center;"><b>\$420</b></p>	<p>9) Calculate the area.</p>  <p style="text-align: center;"><b>165 m<sup>2</sup></b></p>
<p>10) A triangle has an area of 28 units<sup>2</sup>. If it is 8 units tall, how long is its base?</p> <p style="text-align: center;"><b>7 units</b></p>	<p>11) Find the area of an equilateral triangle that is 20 in. on each side and 8 in. tall.</p> <p style="text-align: center;"><b>80 in<sup>2</sup></b></p>	<p>12) A square has an area of 81 square cm. What is its perimeter?</p> <p style="text-align: center;"><b>36 cm</b></p>

13) If the area of the trapezoid is 84 sq. ft, what is its height?



**12 ft**

14) What is the area?

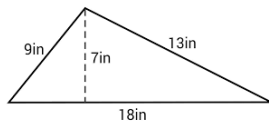


**32 units<sup>2</sup>**

15) A rectangle that is 4 units long covers a total of 24 units<sup>2</sup>. What is its perimeter?

**20 units**

16) Find the area.

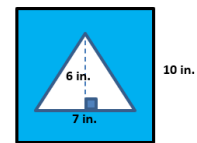


**63 in<sup>2</sup>**

17) A square has a perimeter of 100 ft. What is its area?

**625 ft<sup>2</sup>**

18) What is the area of **only** the shaded region?



**79 in<sup>2</sup>**

Who?		Where?		What?	
7 units	Fred	24 ft <sup>2</sup>	Mystery Inc.	60 units	The Van
8 units <sup>2</sup>	Shaggy	36 cm	Crystal Cove	63 in. <sup>2</sup>	Swarm of Cicadas
12 ft	Daphne	36 m <sup>2</sup>	Haunted Mansion	79 in. <sup>2</sup>	Super Soaker
15 units <sup>2</sup>	Velma	36 ft <sup>2</sup>	PetSmart	80 in. <sup>2</sup>	Poisoned Lemonade
16 units	Scooby-Doo	32 units <sup>2</sup>	Spooky Swamp	165 m <sup>2</sup>	Moldy Scooby Snacks
20 units	The Sheriff	40 in. <sup>2</sup>	Coolsville	420	Laser Tag Gun
24 cm. <sup>2</sup>	The Villain	45 u <sup>2</sup>	Cartoon Network HQ	625 ft <sup>2</sup>	Stolen Diamonds

Who? \_\_\_\_\_ Where? \_\_\_\_\_ What? \_\_\_\_\_

