

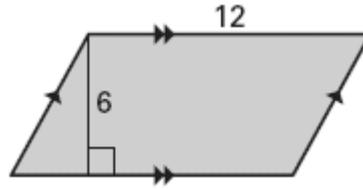
## Geometry Chapter 11 Practice Test – Area and Perimeter

Find the area of the shaded figure.

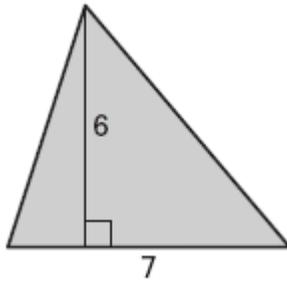
1.



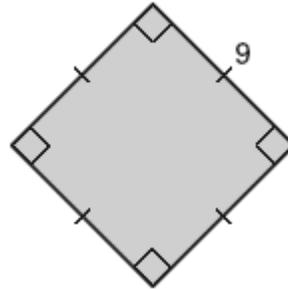
2.



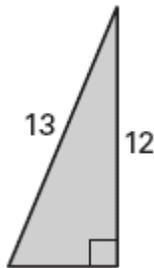
3.



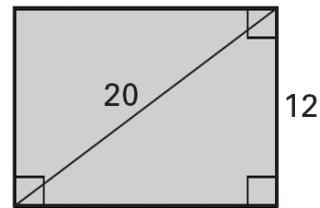
4.



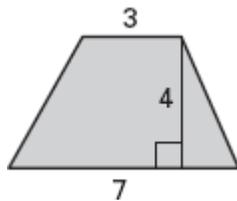
5.



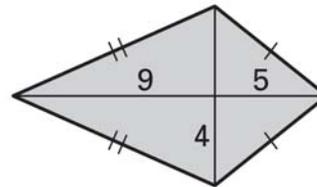
6.



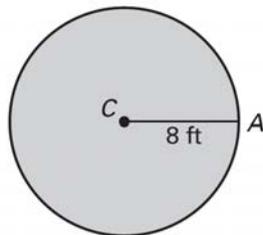
7.



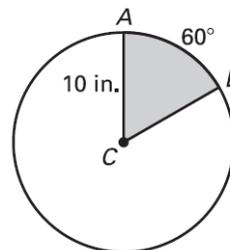
8.



9.

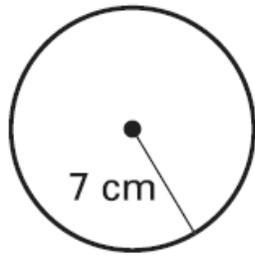


10.

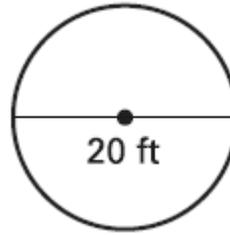


Find the circumference of the circle

11.

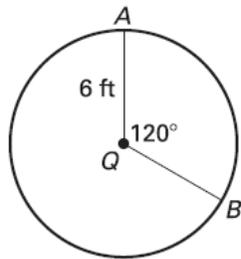


12.

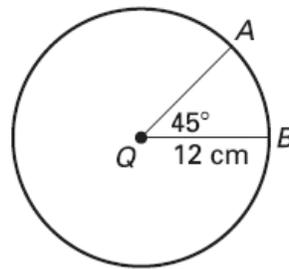


Find the length of  $\widehat{AB}$ .

13.



14.

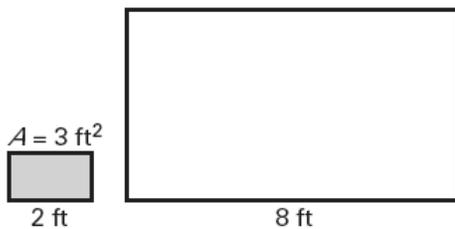


Complete the table of ratios for similar polygons.

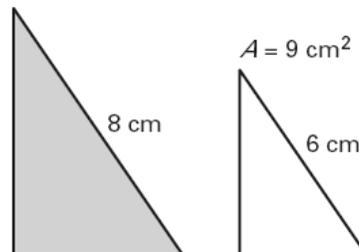
	Ratio of corresponding side lengths	Ratio of perimeters	Ratio of areas
15.	2:3		
16.		3:5	
17.			36:25

The polygons are similar. Find the ratio (shaded to unshaded) of the perimeters and of the areas. Find the unknown area.

18.



19



## ANSWERS - Geometry Chapter 11 Practice Test

<b>1</b>	<b>27</b>
<b>2</b>	<b>72</b>
<b>3</b>	<b>21</b>
<b>4</b>	<b>81</b>
<b>5</b>	<b>30</b>
<b>6</b>	<b>192</b>
<b>7</b>	<b>20</b>
<b>8</b>	<b>56</b>
<b>9</b>	<b>200.96</b>
<b>10</b>	<b>52.33</b>
<b>11</b>	<b>43.96</b>
<b>12</b>	<b>62.8</b>
<b>13</b>	<b>12.56</b>
<b>14</b>	<b>9.42</b>
<b>15</b>	<b>2:3 and 4:49</b>
<b>16</b>	<b>3:5 and 9:25</b>
<b>17</b>	<b>6:5 and 6:5</b>
<b>18</b>	<b>48</b>
<b>19</b>	<b>16</b>