

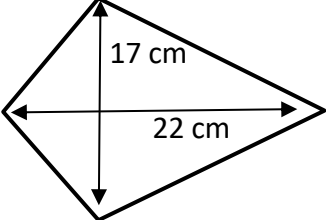
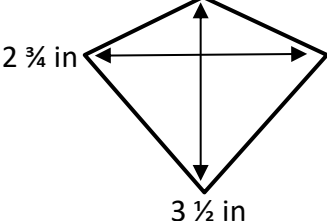
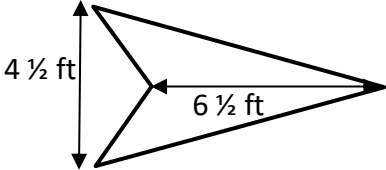
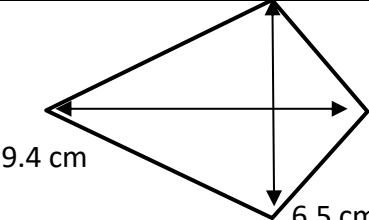
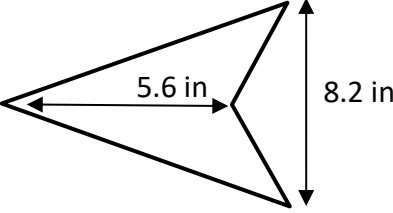
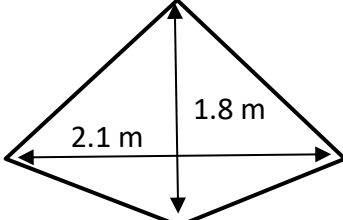
Name

Date



## AREA OF A KITE SHEET 2

Use the diagonal measurements to find the area of these kites. Give your answers to 2 decimal places where needed.

	WORKING OUT	AREA
1) 		
2) 		
3) 		
4) 		
5) 		
6) 		

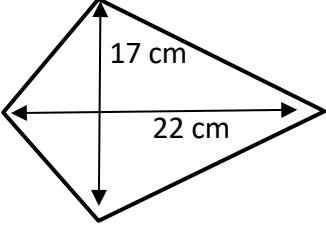
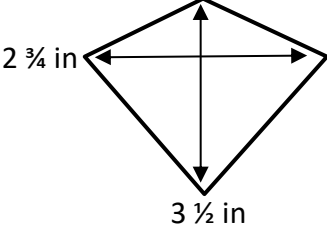
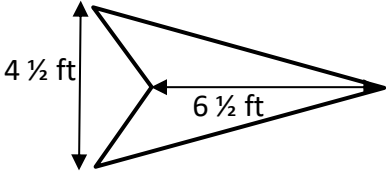
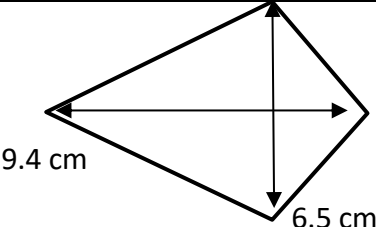
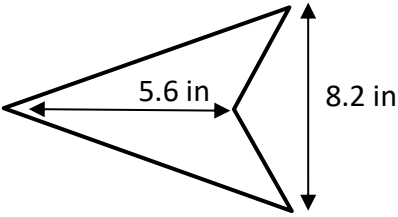
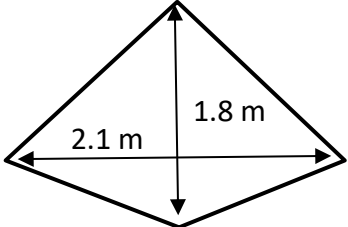
Name

Date



# AREA OF A KITE SHEET 2 ANSWERS

Use the measurements of the diagonals to find the area of these kites.

	WORKING OUT	AREA
1) 	<p>Major diagonal: 22 cm</p> <p>Minor diagonal: 17 cm</p> <p>Area = <math>\frac{1}{2} \times 22 \times 17 = 187</math></p>	187 cm <sup>2</sup>
2) 	<p>Major diagonal: 3 <math>\frac{1}{2}</math> in</p> <p>Minor diagonal: 2 <math>\frac{3}{4}</math> in</p> <p>Area = <math>\frac{1}{2} \times 3 \frac{1}{2} \times 2 \frac{3}{4} = 4.8125</math></p>	4.81 in <sup>2</sup> to 2 decimal places
3) 	<p>Major diagonal: 6 <math>\frac{1}{2}</math> ft</p> <p>Minor diagonal: 4 <math>\frac{1}{2}</math> ft</p> <p>Area = <math>\frac{1}{2} \times 6 \frac{1}{2} \times 4 \frac{1}{4} = 14.625</math></p>	14.63 ft <sup>2</sup> to 2 decimal places
4) 	<p>Major diagonal: 9.4 cm</p> <p>Minor diagonal: 6.5 cm</p> <p>Area = <math>\frac{1}{2} \times 9.4 \times 6.5 = 30.55</math></p>	30.55 cm <sup>2</sup>
5) 	<p>Major diagonal: 5.6 in</p> <p>Minor diagonal: 8.2 in</p> <p>Area = <math>\frac{1}{2} \times 5.6 \times 8.2 = 22.96</math></p>	22.96 in <sup>2</sup>
6) 	<p>Major diagonal: 1.8 m</p> <p>Minor diagonal: 2.1 cm</p> <p>Area = <math>\frac{1}{2} \times 1.15 \times 1.8 = 1.89</math></p>	1.89 m <sup>2</sup>