Practice B	
IB Right-Angle Trigonometry	
Find the value of the sine, cosine, and tangent functions fo	
1. 2. 123 θ 120 120	39 9 15
Use a trigonometric function to find the value of x.	
4. 60° 5. 22 30° x	6. 7√2 45°
Find the values of the six trigonometric functions for θ .	
7. θ 26 8. 28	9. 40 0 41
Solve.	
10. A water slide is 26 feet high. The angle between the slide and the water is 33.5°. What is the length of the slide?	
11. A surveyor stands 150 feet from the base of a viaduct and measures the angle of elevation to be 46.2°. His eye level is 6 feet above the ground. What is the height of the viaduc to the nearest foot?	t
12. The pilot of a helicopter measures the angle of depression a landing spot to be 18.8°. If the pilot's altitude is 1640 met- what is the horizontal distance to the landing spot to the nearest meter?	
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