For each, a) state how many triangles and b) solve the triangle(s) if possible.

31n12"

A = 8.47 (41.601842H)

V + 5,654

(A:13,676"

[乙= 3の H3]

(: 185-134.211-13 674

$$case: \left(\frac{s_1.s}{-7/34}\right)$$

$$9. a = 3. b = 5. c = 6$$

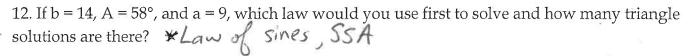
$$A.a = 24.1, b = 27, C = 18° SAS $(1 \triangle)$
 $c^* = 24.1^2 + 27^2 - 2(24.1)(27) \cos 18^2$$$

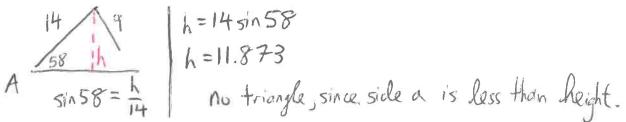
B: 180-18-41.287

(B: [63.7]18*

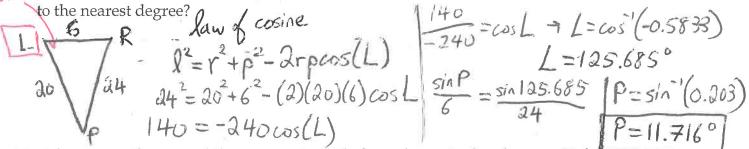
416-22.7 34,55,1

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13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot, he is 20 feet from the left post of the goal and 24 feet 13. When a hockey player attempts a shot angle 13. When a hockey player attempt



14. A lamppost tilts toward the sun at a 2° angle from the vertical and casts a 25-foot shadow. The angle from the tip of the shadow to the top of the lamppost is 45°. Find the length of the

lamppost.
$$180-92-45=43$$

$$5 = \frac{25}{5 \text{ in } 43}$$

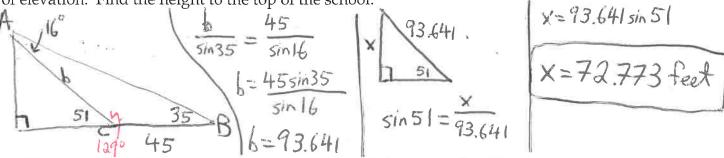
$$5 = \frac{25}{5 \text{ in } 43}$$

$$5 = \frac{25}{5 \text{ in } 43}$$

$$6 = \frac{25}{5 \text{ in } 43}$$

$$1 = \frac{25.920 \text{ ft}}{5 \text{ in } 43}$$

15. To estimate the height of Milton High School all the way to the top of the eagle weathervane, two students stand on the front lawn looking up at it. Jack looks up with a 35° angle of elevation. From a point 45 feet closer to the building, Emily looks up with a 51° angle of elevation. Find the height to the top of the school.



16. Find the area of a regular decagon inscribe in a circle with radius 10 cm.

