Station #1

Simplify the expression. Round to the nearest tenth if necessary.

a) $\sqrt{500}$

b) $\sqrt[3]{1728}$

c) $-4\sqrt{49}$

Station #2

Evaluate the expression when x = 6 and y = 8. Round to the nearest tenth.
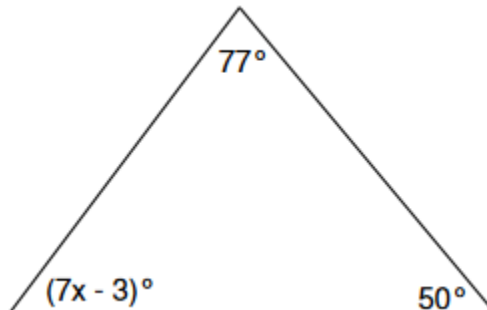
$$\sqrt{3x + 5y}$$

Station #3

Solve the equation. Round to the nearest tenth if necessary.

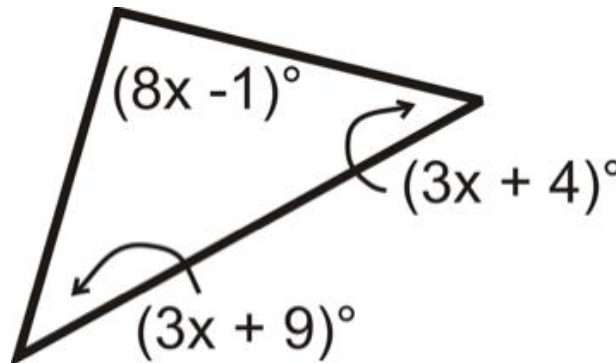a) $n^2 + 17 = 120$

b) $3x^2 - 22 = 53$

Station #4

Find the value of x in the triangle below. Then, classify the triangle by its angle measures.
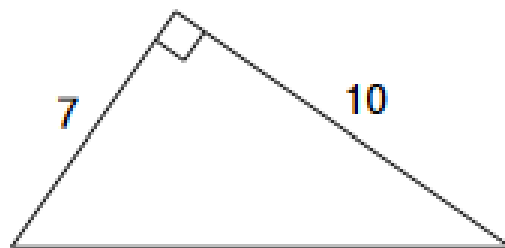
77°

(7x - 3)°

50°

Station #5

Find the value of x in the triangle below. Then, classify the triangle by its angle measures.

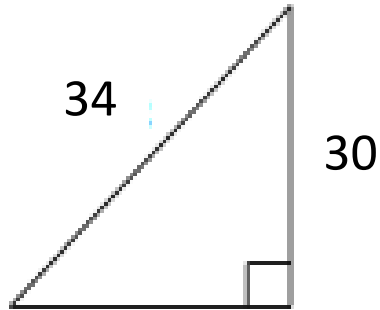$(8x -1)°$

$(3x + 4)°$

$(3x + 9)°$

Station #6

Find the missing side in the right triangle. Round to the nearest tenth if necessary.
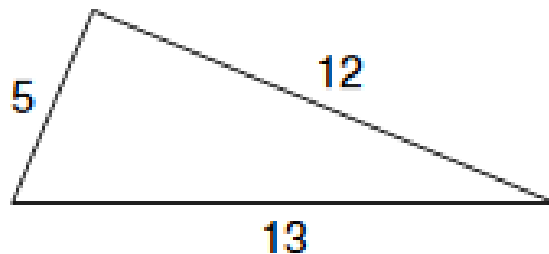
7   10

Station #7

Find the missing side in the right triangle. Round to the nearest tenth if necessary.

34

30

Station #8

Determine whether the triangle is a right triangle.

5

12

13

Station #9

A soccer field has a length of 120 yards and a width of 80 yards. What is the diagonal distance from one corner to the other? Round to the nearest whole yard.

Station #10

According to the diagram below, what is the height of the airplane?