

1) Solve the following equations:

a) $\left| \frac{7}{4}x + \frac{3}{2} \right| = \frac{2}{3}$

b) $x^2 + 8x + 15 = 0$

c) $\sqrt{.22x} = 1.1$

2) Match the function with the correct graph (by labeling the pictures on the next page)

a. $x + 5$

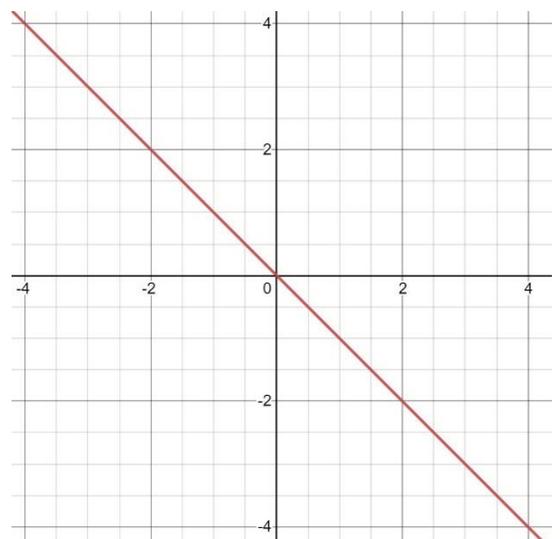
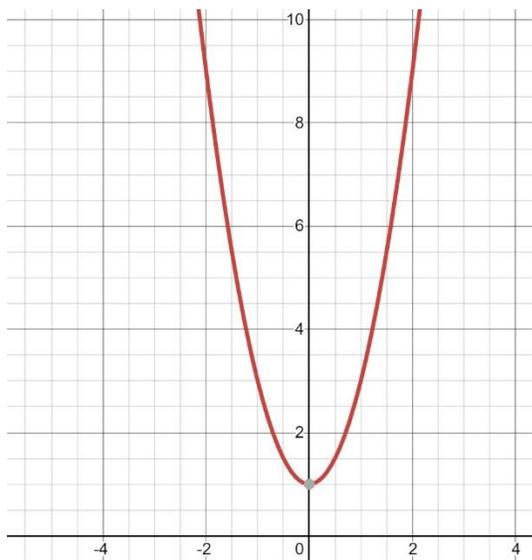
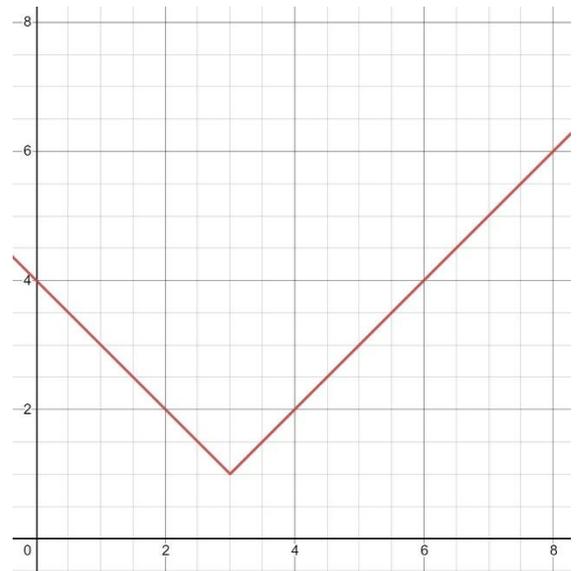
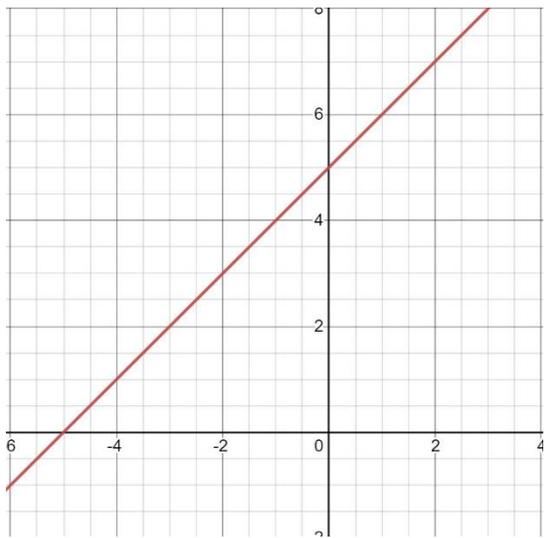
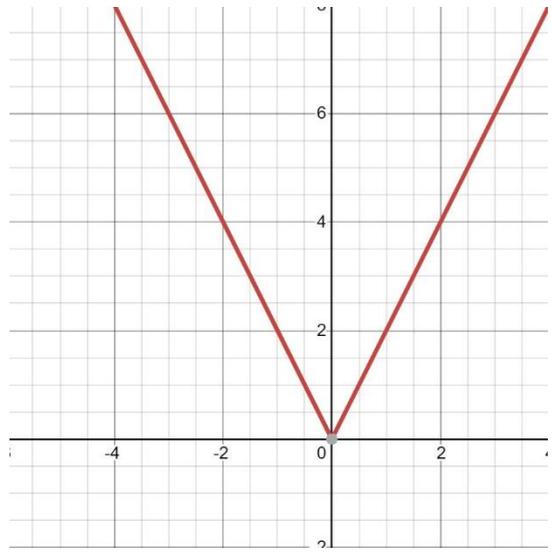
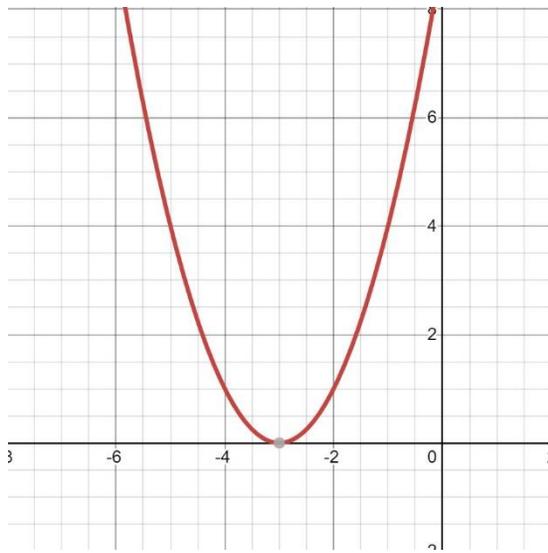
b. $(x + 3)^2$

c. $|2x|$

d. $2x^2 + 1$

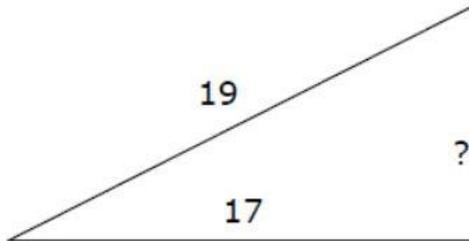
e. $-x$

f. $|x - 3| + 1$

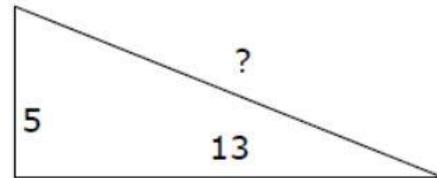


3) Use the Pythagorean Theorem to find the missing value of the following triangles. (keep your answer in square-root form)

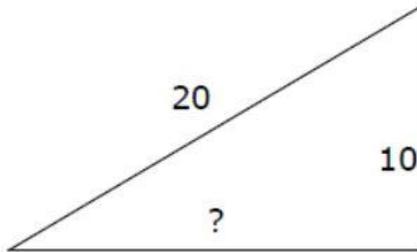
1.



2.



3.



4.

