Algebra Review \#18 SHOW HOW YOU SOLVED EACH PROBLEM

1. Which expression represents the phrase "twice the sum of a number and three"?

A $2(x+3)$
B $2 x+3$
C $3+2 x$
D $x+3(2)$
2. If $f(x)=(x-5)^{2}-3 x$, list the range if the domain is $\{-1,0,1\}$.
3. Tell whether the equation has one has one, none, or infinite solutions:

$$
-5 x+10=-3(2 x-7)
$$

NAME $\qquad$
4. Find the slope between the following coordinates: $(-4,7)$ and $(-5,1)$
5. Solve the following equation:

$$
3 x-3=\frac{11 x+1}{4}
$$

6. Observe the following graph.


Is the following graph a function? Why or why not?

What is the domain?
What is the range?
What is the slope?
7. What is the value of the following:

$$
3 \sqrt{72}-\sqrt{50}
$$

8. Simplify the radical.
$\sqrt{512}$
