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LESSON
3.7 Practice B
For use with the lesson "Graph Linear Functions"
Evaluate the function when $x=-3,0$, and 2 .

1. $f(x)=15 x+4$
2. $p(x)=-7 x-5$
3. $m(x)=-4.4 x$
4. $s(x)=\frac{4}{5} x-2$
5. $h(x)=\frac{3}{8} x-6$
6. $h(x)=4.2 x-3$
7. $g(x)=-9 x+1$
8. $h(x)=3.25 x$
9. $f(x)=6.1 x-3.3$
10. $d(x)=-\frac{5}{3} x+4$
11. $f(x)=-2.5 x+7$
12. $g(x)=6.1 x-2.2$

Find the value of $\boldsymbol{x}$ so that the function has the given value.
13. $f(x)=4 x-2 ; 18$
14. $n(x)=7 x+4 ; 39$
15. $q(x)=6-5 x ; 21$
16. $g(x)=-3 x+8 ; 14$
17. $h(x)=9 x-13 ; 23$
18. $m(x)=12 x-30 ; 30$
19. $s(x)=-4 x-9 ; 3$
20. $m(x)=8.5 x-3 ; 82$
21. $p(x)=-2.4 x+6 ; 18$
22. $d(x)=3.3 x-1.1 ; 31.9$

Graph the function. Compare your graph to the graph of $\boldsymbol{f}(\boldsymbol{x})=\boldsymbol{x}$.
23. $h(x)=x-4$

24. $g(x)=x+7$


25. $m(x)=5 x$

28. $n(x)=-2 x$

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29. $p(x)=-\frac{1}{4} x$

30. $d(x)=x-1.5$

31. $g(x)=x+4.5$


## Match the function with the description of its graph in relation to the graph of $\boldsymbol{f}(\boldsymbol{x})=\boldsymbol{x}$.

32. $g(x)=4 x$
A. graph of $f$ shifted up 4 units
33. $g(x)=x-4$
C. graph of $f$ dilated by factor of 4

