**You must SHOW ALL WORK to receive full credit.**

**Solve the following equations.**

1. $-6\left(4x-7\right)=12x$ 2. $10-2\left(2x+5\right)=9x-7$

**Fill out the following tables.**

3.

|  |  |  |
| --- | --- | --- |
| **x** | $$y=x^{2}-3$$ | **y** |
| **-3** |  |  |
| **2** |  |  |
| **9** |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| # | Fraction | Decimal | Percent |
| 4. | $$\frac{7}{8}$$ |  |  |

5. What is the slope of the stairs in this diagram?

54 in

80 in

20 in