**Equations and Graphs Extra Practice**

SOLVE

1. $\left|x+3\right|=8$
2. $\left|3x+2\right|=4x+5$
3. $\left|5x+1\right|+7=3$
4. $\sqrt{x-1}+7=13$
5. $x=\sqrt{2-x}$
6. $-x+\sqrt{6x+19}=2$
7. $x^{2}+6x+8=0$
8. $-3\left(x+1\right)^{2}=-48$
9. $2x^{2}+5x=8$
10. $\frac{2}{3}\left(x+5\right)=\frac{x+2}{4}$

GRAPH

1. $y=-\frac{2}{3}x+1$

2. $y=\frac{1}{2}x^{2}+4x+5$ 3) $y-3=\frac{1}{4}\left(x+2\right)$
 