

The original equation can be rewritten as two equations without absolute value:

$$-6d - 8 = 34 \text{ or } -6d - 8 = -34$$

Add 8 to both sides of both equations:  $-6d = 42$  or  $-6d = -26$

Divide both sides of both equations by  $-6$ :  $d = -7$  or  $d = 4\frac{1}{3}$