

3pm 3/11/20

ACHA 3000

Dale Smart
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3v - $2x = 0 - 5$

$$2x = -5$$

$$x = \frac{-5}{2}$$

$$\boxed{x = -2.5}$$

$$x = 0 - 2$$

$$\boxed{x = -2}$$

2dp 4) $14x^2 + 3x = 11$

$$\begin{array}{ccccccc} 14x^2 & + & 3x & - & 11 & = & 0 \\ \underline{a} & & \underline{b} & & \underline{c} & & \end{array}$$

$$x = \frac{-3 \pm \sqrt{(3)^2 - 4(14)(-11)}}{14 \times 2}$$

$$x = \frac{-3 \pm \sqrt{9 + 616}}{28} = \sqrt{625}$$

$$\downarrow$$
$$25$$

$$x = \frac{-3 + 25}{28}$$

$$x = \frac{-3 - 25}{28}$$

$$x = \frac{22}{28}$$

$$x = \frac{-28}{28}$$

$$\boxed{x = 0.78}$$

$$\boxed{x = -1}$$