

$$b) 8x^2 = -3x - 18$$

$$8x^2 + 3x + 18 = 0$$

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{-3 \pm \sqrt{3^2 - 4 \times 8 \times 18}}{2 \times 8}$$

$$x = \frac{-3 \pm \sqrt{9 + 576}}{2 \times 8}$$

$$x = -3 \pm \sqrt{\quad}$$

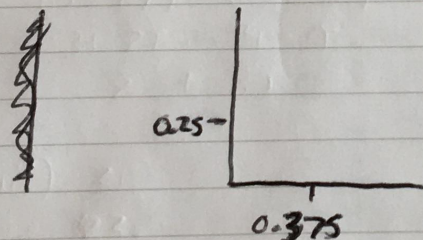
$$x = \frac{-3 \pm \sqrt{\quad}}{16} \quad x = \frac{\sqrt{\quad}}{16}$$

$$\frac{6 + 4T}{16}$$

$$\frac{6 - 4T}{16}$$

$$= 0.375 + 0.25T$$

$$= 0.375 - 0.25T$$



$$r^2 = 0.25^2 + 0.375^2$$

$$r = \sqrt{0.25^2 + 0.375^2}$$

$$r = \sqrt{0.141 + 0.0625}$$

$$r = \sqrt{0.2035}$$

$$r = 0.451$$

$$\tan \theta = \frac{0.25}{0.375}$$

$$= \tan^{-1} \left(\frac{0.25}{0.375} \right)$$

$$= 33.69^\circ$$

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