SOLVING EXPONENTIAL EQUATIONS
$$A^{X+1} = 8^{2X-5} \qquad |3^{2X+3} = 2150$$

$$(2^{2})^{X+1} = (2^{3})^{2X-5} \qquad |og(3^{2X+3})| = |og(2150)|$$

$$2^{2X+2} = 2^{6X-15} \qquad |2X+3| = |og(2150)|$$

$$2X+2 = 6X-15 \qquad |ogt3 = |og(2150)|$$

$$17 = 9x \qquad |2x+3| = |og(2150)|$$

$$2x+3 = |og(2150)|$$

$$2x+3 = |og(2150)|$$

$$|og(13)|$$

$$2x+3 = |og(2150)|$$

$$|og(13)|$$

$$17 = 9x \qquad |ax| = |og(2150)|$$

$$|og(13)|$$

$$2x + 3 = |og(2150)|$$

$$|og(13)|$$

$$|og(13)|$$

$$|og(13)|$$

$$|og(13)|$$

$$|og(13)|$$

$$|og(13)|$$

$$\frac{7e^{4x-2}-147}{7}$$

$$\ln e^{4x-2} = \ln 2I$$

$$4x-2 = \ln (2I)$$

$$4x = \ln (2I) + 2$$

$$4x = \ln$$

$$e^{2x} - 4e^{x} = 12 \quad x^{2} - 4x = 12$$

$$e^{2x} - 4e^{x} - 12 = 0$$

$$e^{x} - 6 = 0 \quad e^{x} + 2 = 0$$

$$e^{x} - 6 = 0 \quad e^{x} + 2 = 0$$

$$e^{x} - 6 = 0 \quad e^{x} + 2 = 0$$

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$$e^{x} - 6 = 0 \quad e^{x} + 2 = 0$$

$$e^{x} - 6 = 0 \quad e^{x} +$$

Newton's Law of Cooling

$$M = T + (M_0 - T)$$
 $M = T + (M_0 - T)$ 
 $M =$