## October 24, 2024

KELATED RATES 1  $\frac{d}{dt}A = \frac{1}{a}bh$ 251  $\frac{dA}{dt} = \frac{1}{2}$  $b \cdot \frac{dh}{dt} + h \cdot \frac{db}{dt}$  $\frac{dA}{dt} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 2 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix} = \frac{1}{2} \begin{bmatrix} 7 \cdot (0.3) + (24) \\ - 4 \end{bmatrix}$ 2=625 h2=1576 49+1  $\frac{dA}{dt} \approx 11.29 \text{ ft}^2$  $h^{2}+b^{2}=25^{2}$ 2hdh + 2bdb = 0 dt dt 2(24)(03)+2(7)db=0 -14.4 + 14 db = 014 db = 144  $\frac{db}{dt} = \frac{144}{140}$  $=\frac{72}{70}-\frac{36}{35}$ 



