

$$\text{If } \int_a^b f(x) dx = k$$

$$\text{then } \int_b^a f(x) dx = -k$$

$$\text{If } \int_a^b f(x) dx = k$$

$$\text{then } \int_a^b 2f(x) dx =$$

$$2 \int_a^b f(x) dx =$$

$$\int_a^b f(x) + g(x) dx \quad 2k$$

$$\int_a^b f(x) dx + \int_a^b g(x) dx$$

$$\int_2^8 f(x) dx = 10$$

$$\int_2^8 (6f(x) - 3) dx$$

$$6 \int_2^8 f(x) - \int_2^8 3 dx$$

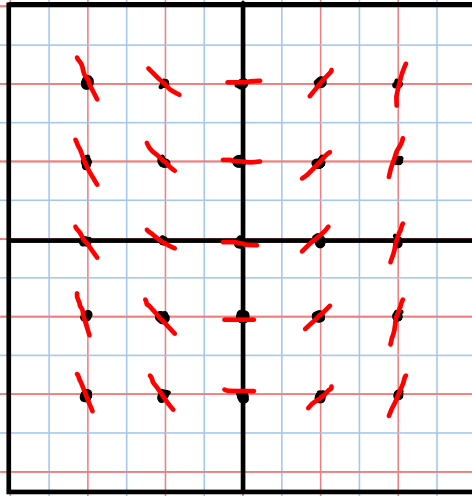
$$60 - (24 - 6)$$

$$42$$

$$\frac{dy}{dx} = .05y$$

$$\frac{dy}{dx} = 2x$$

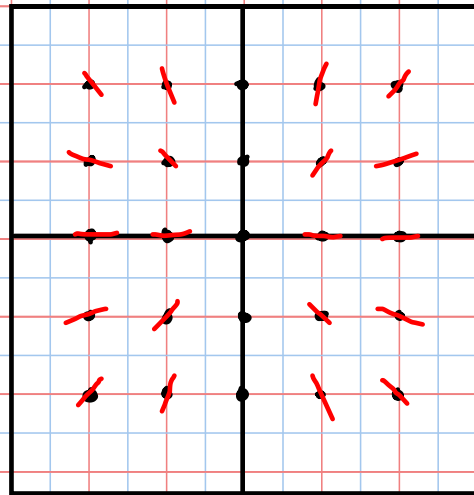
$$\begin{aligned} z(0) &= 0 \\ l(0) &= 0 \\ o(0) &= 0 \end{aligned}$$



$$\frac{dy}{dx} = 2x$$

(1, 17)

$$\frac{dy}{dx} = \frac{y}{x}$$



$$\int \frac{dy}{dx} = \int 3x^2 + 2x - 1$$

$$y =$$