

# Bellwork 8/14 (5 Minutes)

## [Domains]

Find the domain:

$$f(x) = \frac{\ln(x+2)}{x} + \sqrt{4-x^2}$$

reset

# Exercise

Points  $(1,1)$  and  $(3, 8)$  are on a line  $\overleftrightarrow{r}$ .

Find the equation for the line that passes through  $(-1, 4)$  and is parallel to  $\overleftrightarrow{R}$ .

reset

# Exercise

Find the midpoint and distance between  $(3, 1)$  and  $(4, 2)$ .

reset

# Exercise

$A = (2, 3)$  and  $B = (4, 5)$ .

Find an equation for a line that is perpendicular to  $\overleftrightarrow{AB}$  and passes through the midpoint of A and B .

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