

Name:

Perm:

1. Simplify this expression:

$$\frac{((2xy^2z^{-2})(x^4y^{-1}z^4))^0}{2x^{-3}y^{-4}z^{-2}}$$

$$= \frac{1}{2x^{-3}y^{-4}z^{-2}}$$

$$= \frac{x^3y^4z^2}{2}$$

2. Graph the functions  $e^x$  and  $10^x$ , using a dashed line to represent  $10^x$ . Clearly label the point of intersection.

