Exponential Functions

Name $\qquad$ Class $\qquad$ Date $\qquad$

Evaluate each function at the given value. Round to the nearest hundredth if needed.

$$
y(s)=1 / 2 \times(3 / 8)^{s} \text { at } s=3 \quad b(m)=7 / 8 \times(2 / 5)^{m} \text { at } m=3
$$

$$
d(n)=3 / 4 \times(3 / 4)^{n} \text { at } n=-4
$$

$$
a(p)=9 \times(1 / 7)^{p} \text { at } p=-4
$$

$u(v)=2 / 3 \times(1 / 3)^{v}$ at $v=3$
$x(e)=1 / 9 \times(3 / 5)^{e}$ at $e=3$


PREVIEW
Please Sign In or Sign Up to download the printable version of this worksheet
$\mathrm{V}(\mathrm{g})=1 / 8 \times L^{\mathrm{y}}$ at $\mathrm{g}=-4$
$e(T)=1 / 6 \times(1 / 3)$ at $T=-4$
$t(h)=3 \times(4 / 5)^{h}$ at $h=-2 \quad \square r(w)=2 / 5 \times 5^{w}$ at $w=2$
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Name $\qquad$ Class $\qquad$ Date $\qquad$

Evaluate each function at the given value. Round to the nearest hundredth if needed.

$$
\begin{array}{c|c}
y(s)=1 / 2 \times(3 / 8)^{s} \text { at } s=3 & b(m)=7 / 8 \times(2 / 5)^{m} \text { at } m=3 \\
y(3)=0.01 & b(3)=0.06
\end{array}
$$

$$
\begin{gathered}
d(n)=3 / 4 \times(3 / 4)^{n} \text { at } n=-4 \\
d(-4)=2.37
\end{gathered}
$$

$$
\begin{gathered}
a(p)=9 \times(1 / 7)^{p} \text { at } p=-4 \\
a(-4)=21609
\end{gathered}
$$

$u(v)=2 / 3 \times(1 / 3)^{v}$ at $v=3$
$x(e)=1 / 9 \times(3 / 5)^{e}$ at $e=3$


## PREVIEW

## Please Sign In or Sign Up to download

 the printable version of this worksheet$\mathrm{V}(\mathrm{g})=1 / 8 \times L^{5}$ at $\mathrm{g}=-4$

$$
v(-4)=0.05
$$

$$
t(h)=3 \times(4 / 5)^{h} \text { at } h=-2
$$

$$
t(-2)=4.69
$$

$e(T)=1 / 6 \times(1 / 3)$ at $T=-4$

$$
e(-4)=67.5
$$

$$
r(w)=2 / 5 \times 5^{w} \text { at } w=2
$$

$$
r(2)=10
$$

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