BEAT THE TEST!

1. Which of the following expressions are equivalent to $2^{\frac{1}{2}}$? Select all that apply.

- ☐ $\sqrt[3]{4}$
- ☐ $\sqrt[3]{8}$
- ☑ $\sqrt[4]{4}$
- ☑ $\sqrt[6]{8}$
- ☐ $\sqrt[6]{16}$

$4^{\frac{1}{3}} = (2^2)^{\frac{1}{3}} = 2^{\frac{2}{3}}$

$8^{\frac{1}{3}} = (2^3)^{\frac{1}{3}} = 2^{\frac{3}{3}}$

$4^{\frac{1}{4}} = (2^2)^{\frac{1}{4}} = 2^{\frac{2}{4}}$

$8^{\frac{1}{6}} = (2^3)^{\frac{1}{6}} = 2^{\frac{3}{6}}$

$16^{\frac{1}{6}} = (2^4)^{\frac{1}{6}} = 2^{\frac{4}{6}}$

$2^{\frac{1}{2}}$