Talk with the people around you for a minute

The integral $\displaystyle\int_2^\infty \frac{1}{x^4}\,dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm . . .

The integral $\displaystyle\int_2^\infty \frac{1}{\sqrt[3]{x}}\ dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm . . .

Talk with the people around you for a minute

The integrand of $\int_{2}^{\infty} \dfrac{1}{\sqrt[3]{x}}\, dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm ...

Talk with the people around you for a minute

The integral $\int_0^3 \frac{1}{\sqrt[3]{x}} \, dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm . . .

Talk with the people around you for a minute

The integral $\int_0^3 \frac{1}{x^4}\, dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm . . .

Talk with the people around you for a minute

The integral $\displaystyle\int_2^\infty \frac{1}{x^3 + 2}\, dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm . . .

Talk with the people around you for a minute

The integral $\displaystyle\int_5^\infty \frac{1}{\sqrt{x}-2} \, dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm . . .

The integral $\displaystyle\int_2^\infty \frac{2}{\sqrt{x} + x^2}\, dx$ converges

(a) True, and I can explain why

(b) True, but I am unsure why

(c) False, and I can explain why

(d) False, but I am unsure why

(e) Ummmm ...