

1.113
c3

$$\left(\sqrt[3]{2\sqrt{6}}\right)^{|2x-3|} = \sqrt[6]{(2\sqrt[3]{3})^{9-6x}}$$

$$\left(2^{\frac{1}{3}} 6^{\frac{1}{6}}\right)^{|2x-3|} = \left(2 \cdot 3^{\frac{1}{3}}\right)^{\frac{9-6x}{6}}$$

$$\left(2^{\frac{1}{3}} 3^{\frac{1}{6}}\right)^{|2x-3|} = 2^{1.5-x} \cdot 3^{\frac{1}{2}-\frac{x}{3}}$$

$$2^{x-1.5} \cdot 3^{\frac{2}{3}-\frac{x}{3}} = 2^{1.5-x} \cdot 3^{0.5-\frac{x}{3}} \quad /: \left(2^{1.5-x} \cdot 3^{0.5-\frac{x}{3}}\right) \quad : x \geq 1.5 \quad \text{p/np}$$

$$2^{2x-3} \cdot 3^{\frac{2x}{3}-1} = 1$$

$$2^{3(\frac{2x}{3}-1)} \cdot 3^{\frac{2x}{3}-1} = 1$$

$$\left(2 \cdot 3\right)^{\frac{2x}{3}-1} = 1$$

$$\frac{2x}{3}-1=0 \rightarrow \boxed{x=1.5}$$

$$\cancel{2^{1.5-x} \cdot 3^{0.5-\frac{x}{3}}} = \cancel{2^{1.5-x} \cdot 3^{0.5-\frac{x}{3}}}$$

$$: x < 1.5$$

p/np

$$x \leq 1.5$$

$$\underline{x \leq 1.5} \quad : \text{p/np}$$