



Factor each expression completely.

Answers

1) $\frac{15}{36}b + \frac{21}{28} =$ _____

1. _____

2) $-\frac{4}{14}c - \frac{4}{14} =$ _____

2. _____

3) $-\frac{12}{40}d + \frac{14}{35} =$ _____

3. _____

4) $\frac{20}{49}e - \frac{8}{49} =$ _____

4. _____

5) $-\frac{18}{35}f - \frac{18}{35} =$ _____

5. _____

6) $\frac{10}{56}g + \frac{10}{72} =$ _____

6. _____

7) $-\frac{6}{40}h - \frac{8}{56} =$ _____

7. _____

8) $\frac{6}{30}i - \frac{9}{54} =$ _____

8. _____

9) $\frac{3}{12}j - \frac{6}{12} =$ _____

9. _____

10) $\frac{28}{72}k + \frac{20}{63} =$ _____

10. _____



Factor each expression completely.

$$1) \frac{15}{36}b + \frac{21}{28} = \underline{\frac{3}{4}\left(\frac{5}{9}b + \frac{7}{7}\right)}$$

$$2) -\frac{4}{14}c - \frac{4}{14} = \underline{-\frac{4}{14}\left(\frac{1}{1}c + \frac{1}{1}\right)}$$

$$3) -\frac{12}{40}d + \frac{14}{35} = \underline{-\frac{2}{5}\left(\frac{6}{8}d - \frac{7}{7}\right)}$$

$$4) \frac{20}{49}e - \frac{8}{49} = \underline{\frac{4}{49}\left(\frac{5}{1}e - \frac{2}{1}\right)}$$

$$5) -\frac{18}{35}f - \frac{18}{35} = \underline{-\frac{18}{35}\left(\frac{1}{1}f + \frac{1}{1}\right)}$$

$$6) \frac{10}{56}g + \frac{10}{72} = \underline{\frac{10}{8}\left(\frac{1}{7}g + \frac{1}{9}\right)}$$

$$7) -\frac{6}{40}h - \frac{8}{56} = \underline{-\frac{2}{8}\left(\frac{3}{5}h + \frac{4}{7}\right)}$$

$$8) \frac{6}{30}i - \frac{9}{54} = \underline{\frac{3}{6}\left(\frac{2}{5}i - \frac{3}{9}\right)}$$

$$9) \frac{3}{12}j - \frac{6}{12} = \underline{\frac{3}{12}\left(\frac{1}{1}j - \frac{2}{1}\right)}$$

$$10) \frac{28}{72}k + \frac{20}{63} = \underline{\frac{4}{9}\left(\frac{7}{8}k + \frac{5}{7}\right)}$$

Answers

$$1. \underline{\frac{3}{4}\left(\frac{5}{9}b + \frac{7}{7}\right)}$$

$$2. \underline{-\frac{4}{14}\left(\frac{1}{1}c + \frac{1}{1}\right)}$$

$$3. \underline{-\frac{2}{5}\left(\frac{6}{8}d - \frac{7}{7}\right)}$$

$$4. \underline{\frac{4}{49}\left(\frac{5}{1}e - \frac{2}{1}\right)}$$

$$5. \underline{-\frac{18}{35}\left(\frac{1}{1}f + \frac{1}{1}\right)}$$

$$6. \underline{\frac{10}{8}\left(\frac{1}{7}g + \frac{1}{9}\right)}$$

$$7. \underline{-\frac{2}{8}\left(\frac{3}{5}h + \frac{4}{7}\right)}$$

$$8. \underline{\frac{3}{6}\left(\frac{2}{5}i - \frac{3}{9}\right)}$$

$$9. \underline{\frac{3}{12}\left(\frac{1}{1}j - \frac{2}{1}\right)}$$

$$10. \underline{\frac{4}{9}\left(\frac{7}{8}k + \frac{5}{7}\right)}$$