



Factor each expression completely.

1) $\frac{20}{40}b - \frac{16}{20} =$ _____

2) $-\frac{8}{15}c - \frac{4}{15} =$ _____

3) $\frac{12}{48}d + \frac{9}{16} =$ _____

4) $-\frac{12}{40}e - \frac{14}{10} =$ _____

5) $-\frac{15}{56}f + \frac{15}{56} =$ _____

6) $\frac{6}{56}g + \frac{2}{40} =$ _____

7) $\frac{21}{54}h - \frac{3}{18} =$ _____

8) $\frac{4}{40}i + \frac{28}{35} =$ _____

9) $-\frac{9}{72}j - \frac{18}{72} =$ _____

10) $\frac{16}{36}k + \frac{6}{12} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \frac{20}{40}b - \frac{16}{20} = \frac{4}{20}(\frac{5}{2}b - \frac{4}{1})$$

$$2) -\frac{8}{15}c - \frac{4}{15} = \frac{-4}{15}(\frac{2}{1}c + \frac{1}{1})$$

$$3) \frac{12}{48}d + \frac{9}{16} = \frac{3}{16}(\frac{4}{3}d + \frac{3}{1})$$

$$4) -\frac{12}{40}e - \frac{14}{10} = \frac{-2}{10}(\frac{6}{4}e + \frac{7}{1})$$

$$5) -\frac{15}{56}f + \frac{15}{56} = \frac{-15}{56}(\frac{1}{1}f - \frac{1}{1})$$

$$6) \frac{6}{56}g + \frac{2}{40} = \frac{2}{8}(\frac{3}{7}g + \frac{1}{5})$$

$$7) \frac{21}{54}h - \frac{3}{18} = \frac{3}{18}(\frac{7}{3}h - \frac{1}{1})$$

$$8) \frac{4}{40}i + \frac{28}{35} = \frac{4}{5}(\frac{1}{8}i + \frac{7}{7})$$

$$9) -\frac{9}{72}j - \frac{18}{72} = \frac{-9}{72}(\frac{1}{1}j + \frac{2}{1})$$

$$10) \frac{16}{36}k + \frac{6}{12} = \frac{2}{12}(\frac{8}{3}k + \frac{3}{1})$$

Answers

1. $\frac{4}{20}(\frac{5}{2}b - \frac{4}{1})$

2. $\frac{-4}{15}(\frac{2}{1}c + \frac{1}{1})$

3. $\frac{3}{16}(\frac{4}{3}d + \frac{3}{1})$

4. $\frac{-2}{10}(\frac{6}{4}e + \frac{7}{1})$

5. $\frac{-15}{56}(\frac{1}{1}f - \frac{1}{1})$

6. $\frac{2}{8}(\frac{3}{7}g + \frac{1}{5})$

7. $\frac{3}{18}(\frac{7}{3}h - \frac{1}{1})$

8. $\frac{4}{5}(\frac{1}{8}i + \frac{7}{7})$

9. $\frac{-9}{72}(\frac{1}{1}j + \frac{2}{1})$

10. $\frac{2}{12}(\frac{8}{3}k + \frac{3}{1})$