**EXERCISE 3.4**

**Q1. Find the conjugate of the following**

**SOLUTION**

**SOLUTION**

**SOLUTION**

**SOLUTION**

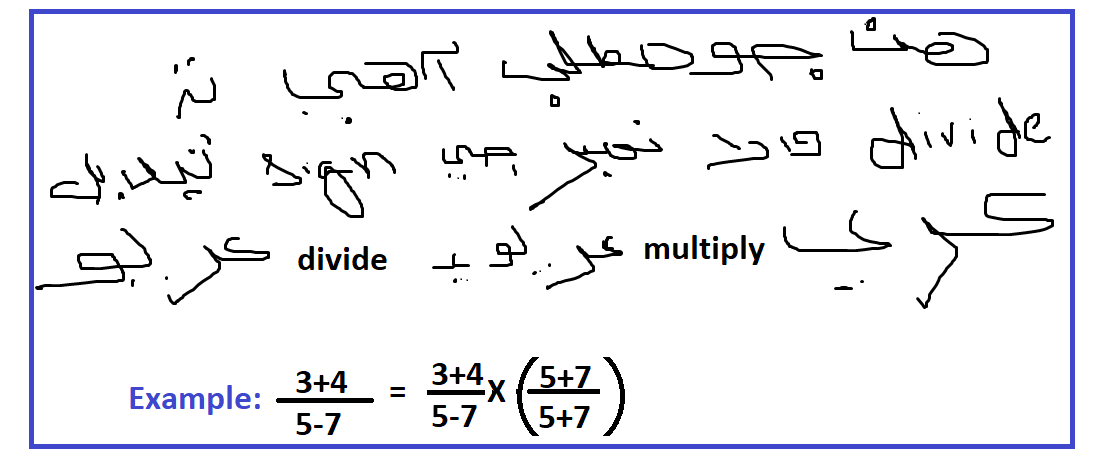
**SOLUTION**

**SOLUTION**

**SOLUTION**

**SOLUTION**

**Q2. Rationalize the denominator of the following**

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**SOLUTION**

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**Q3.**

**SOLUTION**

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**SOLUTION**

**SOLUTION**

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Put values in equation (1)

**Next**

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Put values in equation (1)

**Next**

Put values in equation (1)

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Put values in equation (2)

**Next**

Put values in equation (1)

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Put values in equation (2)

**Next**

Put values in equation (1)

Put values in equation (2)

(

Put values in equation (3)

**Q3.**

**SOLUTION**

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Put in Equation (1)

**SOLUTION**

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Put in Equation (1)

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**SOLUTION**

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Put in Equation (1)