

Solutions to Assignment 1

Question 1

Based on the summary on page 6 and 7 of Shaw's 2016 Annual Report:

- (a) the company's total revenue for 2016 was 4.884 billion Canadian dollars,
- (b) as of August 31, 2016 the company had 6,882,668 subscribers (consumer, business and wireless combined),
- (c) dividing these amounts, the (annual) revenue per subscriber was \$709.61, and
- (d) dividing by 12, the average monthly revenue per subscriber was \$59.13.

Question 2

Each answer could be different. As an example, a submarine cable whose name begins with the letter 'A' is the ACE (Africa Coast to Europe) cable. It is operated by a consortium whose web site is:

https://www.ace-submarinecable.com/ace/default/EN/all/ace_en/

- (a) the landing points are:
Abidjan, Côte d'Ivoire; Accra, Ghana; Banjul, Gambia; Bata, Equatorial Guinea; Cape Town, South Africa; Carcavelos, Portugal; Conakry, Guinea; Cotonou, Benin; Dakar, Senegal; Freetown, Sierra Leone; Lagos, Nigeria; Libreville, Gabon; Luanda, Angola; Monrovia, Liberia; Muanda, Congo, Dem. Rep.; Nouakchott, Mauritania; Penmarch, France; Santana, Sao Tome and Principe; Swakopmund, Namibia; and Tenerife, Canary Islands, Spain.
- (b) it went into operation in 2012
- (c) the web site says "a potential capacity of 5.12 Tbps made possible by the new 40 Gbps technology."
- (d) at a cost \$700 million for 17,000 km, the cost per meter is about \$41/meter.